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## Linde's Mobile LNG Fueler.

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**General** Linde's Mobile Fueling units provides a safe, compact, mobile, PLC controlled, natural gas fueling solution for LNG fueled vehicles. The unit is customized to Linde's specifications and designed to incorporate the company's extensive experience with cryogenics and other flammable gaseous products such as hydrogen and oxygen, as well as practical and field experience from Linde's other LNG applications equipment.

Linde Mobile Fuelers are available on a lease per month basis as an introduction to LNG fuelling prior to a permanent LNG fueling station being constructed.

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### Features and benefits

- Designed to be a temporary fueling solution for small fleets of LNG fueled vehicles
- Approximately 5,000 gallons of usable LNG storage
- "Real" LNG fueling experience with same nozzle and hose configuration as permanent stations
- Fully automated PLC controls and remote fuel inventory management
- Integrated and redundant safety features include multiple emergency stop buttons on the trailer, methane and flame detectors
- Self-contained on-board power supply
- Linde will contract to manage supply of LNG to customers and deliver to site on a per/DGE delivered basis
- Available to customers in key LNG supply areas (but not limited to):
  - Texas/Oklahoma/Louisiana
  - Pennsylvania/New Jersey/Ohio
  - Michigan/Indiana/Illinois
- Requires minimal site permitting and site preparation
- Complies with applicable NFPA, ASME, CGA and DOT codes and standards

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### The Benefits of Working with Linde

- **Safety-First Culture:** Collaborative approach to providing the safest, most reliable, and effective LNG fuel solution. Formal site reviews ensure setbacks and regulatory requirements are met and documented. Equipment commissioning, mobilization, and ongoing maintenance training provide on-site personnel with confidence and sound understanding of the system
- **Full Solution Partner:** Linde offers LNG production capabilities, LNG transportation, application equipment design, and experienced technical support
- **On-site Services:** Services include commissioning, decommissioning, and transporting the mobile fueler unit between sites, providing system maintenance, and remote inventory monitoring and ordering

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### Talk to Linde

Gain the economic and environmental benefits of LNG fuel. Contact Linde today for more information on LNG fueling solutions at 1.800.262-4273. Learn more at [www.lindeLNG.com](http://www.lindeLNG.com).

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**General**

Configuration	horizontal/cylindrical
Water capacity:	6,000 us gallons
Net vol. @ 5 psi saturate:	4,937 us gallons
Product service:	liquid methane
Maximum working pressure:	175 psig
Length (nom):	53 feet
Width:	8 feet 6 inches (102 inches)
Height:	13 feet 3 inches (159 inches)
Evaporation rate:	0.55% in 24 hours (Ing)

- Automatic delivery system:**
- Controlled by plc, with operator-friendly instruction screens
  - Pump control and protection features designed into software
  - Auto stop fill operation
  - Built-in impoundment/containment aluminum diamond tread wall encompassing tank to meet 10 minute maximum flow rate rule
  - Fire block valves, and emergency-stop buttons at four corners and at rear
  - Two methane detectors one located just outside rear compartment and one located near front of trailer on the driver's side
  - One flame detector at rear

**Safety** All methane and flame detectors are fully functional whenever the system is powered up and will close all valves in the event of a leak of fire being detected. A battery backup system is provided to run the control system and valves in the event of a power failure. Four e-stops are located on the unit with an additional e-stop in the rear compartment

- Applicable standards**
- ASME Boiler and Pressure Vessel Code, Section VIII, Division 1, Rules for Construction of Pressure Vessels
  - US DOT, CFR 49 Part 178.338, Specification MC-338; Insulated Cargo Tank Motor Vehicle (but the skid unit must be transported over the road empty)
  - NFPA 59A – 2009, Standard for the Production, Storage, and handling of Liquefied natural Gas (LNG)
  - NFPA 52-2010, Vehicular Gaseous Fuel Systems Code
  - NFPA 70, National Electrical Code (NEC)
  - NFPA 385 - 2007, Standard for Tank Vehicles for Flammable and Combustible Liquids
  - CGA S-1.2-2009, Pressure Relief Device Standards Part 2 – Portable Containers for Compressed Gases
  - ASME B 31.3, Process Piping

Linde North America, Inc.  
 575 Mountain Ave., Murray Hill, NJ 07974 USA  
 Phone +1.800.262-4273, www.lindelng.com